aiwa

# CR-D3

SERVICE MANUAL

STEREO RECEIVER

• TYPE. YZ,YJ,YUB

## SPECIFICATIONS

**Reception frequency:**
FM 87.5 – 108/107.9 MHz (50/200 kHz step)
AM 531/530 – 1,602/1,710 kHz
(9/10 kHz step)
**Antennas:**
FM Headphone antenna
AM Ferrite bar antenna
**Practical max. output:**
60 mW
**Output terminal:**
Headphone jack (3.5ø Stereo type)
**Power supply:**
Battery DC 3V R03 (size AAA)×2

**Dimensions (W × H × D):**
60 × 104 × 21.5 mm
($2^3/_8 \times 4^1/_8 \times {}^7/_8$ in.)
**Weight**
Approx. 110g (3.9oz)
incl. batteries

• Design and specifications are subject to change without notice.

S/M Code No. 09 – 93B – 026 – 20T

# ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は最終ページの "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

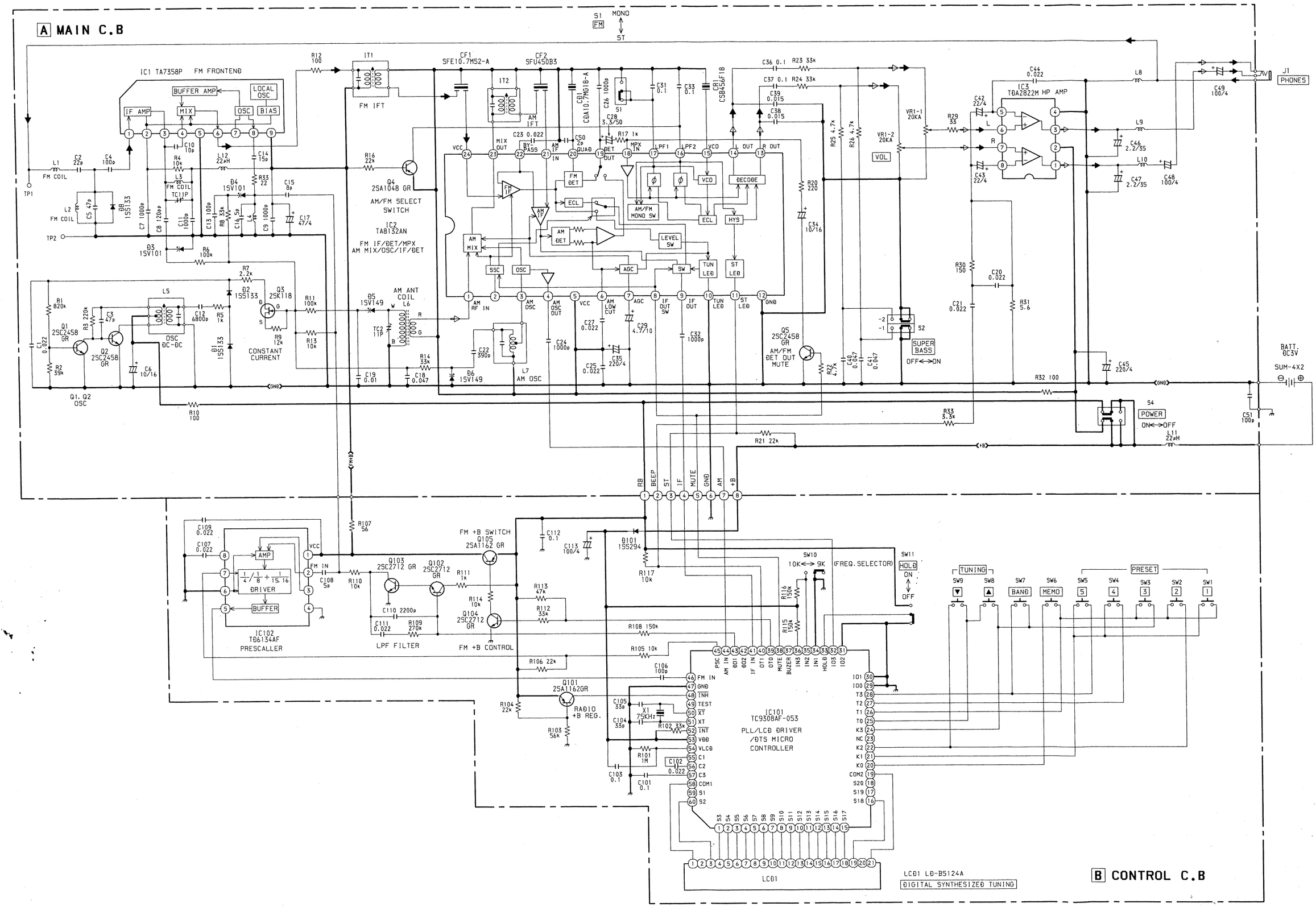
| REF. NO | PART NO. | カンリ NO. | DESCRIPTION |
|---|---|---|---|
| IC | | | |
| | 87-020-356-010 | | IC, TA7358P (M) |
| | S3-804-100-000 | | IC, TA8132AN |
| | S3-806-800-000 | | IC, TC9308AF-053 |
| | S3-806-300-000 | | IC, TD6134AF |
| | S3-801-900-000 | | IC, TDA2822M |
| TRANSISTOR | | | |
| | S4-814-800-000 | | C-TR, 2SA1162-GR |
| | 89-327-126-010 | | C-TR, 2SC2712-GR |
| | 89-110-485-010 | | TR, 2SA1048GR |
| | 89-324-585-010 | | TR, 2SC2458GR |
| | S4-813-500-000 | | TR, 2SK118-0 |
| DIODE | | | |
| | 87-020-465-010 | | DIODE, 1SS133 |
| | S5-823-400-000 | | C-DIODE, 1SS294 |
| MAIN C. B | | | |
| C6 | S6-010-M45-A00 | | CAP, E 10UF-16V |
| C9 | S6-047-M47-G00 | | CAP, E 47UF-4V |
| C28 | S6-R33-M47-H00 | | CAP, E 3. 3UF-50V |
| C29 | S6-R47-M45-A00 | | CAP, E 4. 7UF-10V |
| C34 | S6-010-M45-A00 | | CAP, E 10UF-16V |
| C35 | S6-122-MF5-G00 | | CAP, E 220UF-4V |
| C42 | S6-022-M45-G00 | | CAP, E 22UF-4V |
| C43 | S6-022-M45-G00 | | CAP, E 22UF-4V |
| C45 | S6-122-MF5-G00 | | CAP, E 220UF-4V |
| C46 | S6-R22-M45-D00 | | CAP, E 2. 2UF-35V |
| C47 | S6-R22-M45-D00 | | CAP, E 2. 2UF-35V |
| C48 | S6-110-M55-G00 | | CAP, E 100UF-4V |
| C49 | S6-110-M55-G00 | | CAP, E 100UF-4V |
| CD1 | S5-321-350-470 | | FILTER, CER KMFC5047A(W/CF1) |
| CF2 | S5-322-245-0B0 | | FILTER, CER (SFU450B3) |
| CR1 | S5-321-445-6F0 | | RESONATOR CER, CSB456F18 |
| D3 | S0-001-010-000 | | DIODE, 1SV101 |
| D4 | S0-001-010-000 | | DIODE, 1SV101 |
| D5 | S0-001-490-000 | | DIODE, 1SV149B |
| D6 | S0-001-490-000 | | DIODE, 1SV149B |
| IT1 | S7-660-0P0-000 | | IFT FM(420859) PINK |
| IT2 | S7-670-040-000 | | IFT AM(420907)YELLOW |
| J1 | S6-523-100-000 | | JACK 3. 5MM |
| L1 | S9-F05-5BC-H50 | | FM, ANT COIL 5. 5T |
| L2 | S9-F06-5BA-V70 | | FM, ANT COIL 6. 5T |
| L3 | S9-F06-5BC-H50 | | FM, RF COIL |
| L4 | S9-F05-53C-H50 | | FM, RF COIL |
| L5 | S7-610-000-000 | | COIL, OSC DC/DC BLACK |
| L6 | S9-915-T08-490 | | COIL, AM ANT(T007) |
| L7 | S7-580-020-000 | | COIL, OSC AM RED |
| L8 | S9-F19-5CA-V90 | | COIL, FM |
| L9 | S9-F19-5CA-V90 | | COIL, FM |
| L10 | S9-F19-5CA-V90 | | COIL, FM |
| L11 | S9-C02-2UC-340 | | COIL, 22UH |
| L12 | S9-C02-2UC-220 | | COIL, 22UH |
| S1 | S7-530-4RC-150 | | SW, SLIDE |
| S2 | S7-530-4RC-150 | | SW, SLIDE |
| S4 | S7-530-4RC-150 | | SW, SLIDE |
| TC1 | S8-200-200-000 | | CAP, TRIMMER, 11PF |
| TC2 | S8-200-200-000 | | CAP, TRIMMER, 11PF |
| VR1 | S8-010-R32-0A0 | | VR, 20KA |
| CONTROL C. B | | | |
| C113 | S6-110-M55-G00 | | CAP, E 100UF |
| LCD1 | S5-822-800-000 | | LCD, LD-B5124A |
| S5 | S7-530-4RC-150 | | SW, SLIDE |
| S6 | S7-528-812-D00 | | SWITCH |
| X1 | S5-321-5T3-810 | | XTAL DT381 |

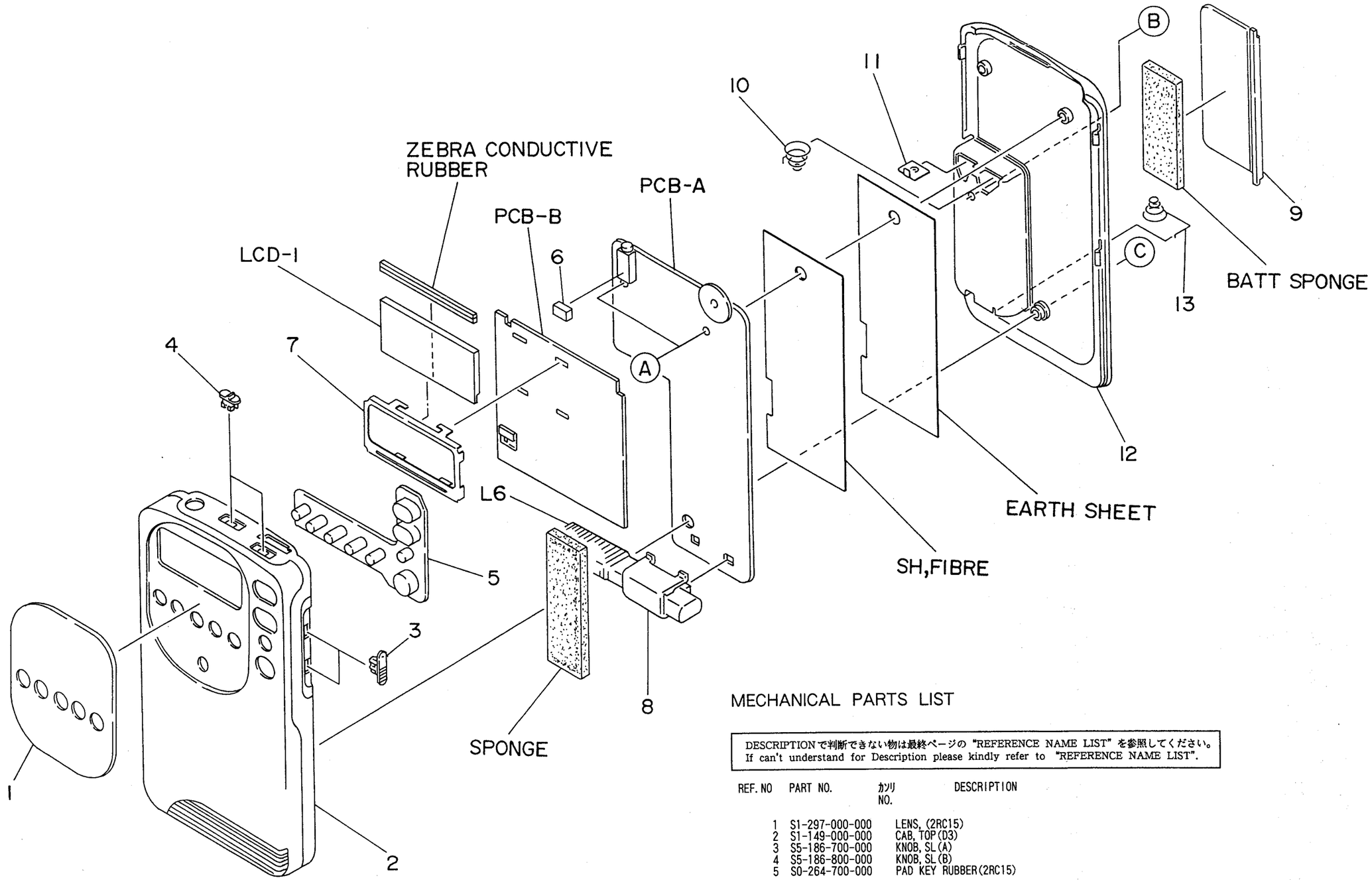
## ■ ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は最終ページの "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

| REF. NO | PART NO. | カンリ NO. | DESCRIPTION |
|---|---|---|---|
| 1 | S8-474-9RC-150 | | INSTRUC BOOK(CRD3) |
| 2 | 87-048-236-010 | | HP-22A |

# SCHEMATIC DIAGRAM






## MECHANICAL PARTS LIST

DESCRIPTIONで判断できない物は最終ページの "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

| REF. NO | PART NO. | カンリ NO. | DESCRIPTION |
|---|---|---|---|
| 1 | S1-297-000-000 | | LENS, (2RC15) |
| 2 | S1-149-000-000 | | CAB, TOP(D3) |
| 3 | S5-186-700-000 | | KNOB, SL(A) |
| 4 | S5-186-800-000 | | KNOB, SL(B) |
| 5 | S0-264-700-000 | | PAD KEY RUBBER(2RC15) |
| 6 | S9-265-300-000 | | RUBBER |
| 7 | S0-224-12R-C40 | | BRACKET LCD |
| 8 | S7-180-300-000 | | HOLD, ANT PR-90/PR91 |
| 9 | S3-141-900-000 | | DOOR, BATT |
| 10 | S0-219-200-000 | | BATT, SPR(-) |
| 11 | S0-219-100-000 | | BATT, TERMINAL |
| 12 | S2-144-300-000 | | BTN, CAB(D3YJ)<YJ> |
| 12 | S2-144-400-000 | | BTN, CAB(D3YU, YZ)<YU, YZ> |
| 13 | S0-219-300-000 | | BATT, SPR(+-) |
| A | S4-120-300-000 | | SCRW, 1.7 X 3 B/H |
| B | S4-130-500-000 | | SCRW, 1.7 X 5 K/H |
| C | S4-281-000-000 | | SCRW, 2 X 10 P/H |

# REFERENCE NAME LIST

## ELECTRICAL SECTION

| DESCRIPTION | REFERENCE NAME |
|---|---|
| ANT | ANTENNAS |
| C- | CHIP |
| C-CAP | CAP, CHIP |
| C-CAP TN | CAP, CHIP TANTALUM |
| C-COIL | COIL, CHIP |
| C-DI | DIODE, CHIP |
| C-DIODE | DIODE, CHIP |
| C-FET | FET, CHIP |
| C-FOTR | FILTER, CHIP |
| C-JACK | JACK, CHIP |
| C-LED | LED, CHIP |
| C-RES | RES, CHIP |
| C-SFR | SFR, CHIP |
| C-SLIDE SW | SLIDE SWITCH, CHIP |
| C-SW | SWITCH, CHIP |
| C-TR | TRANSISTOR, CHIP |
| C-VR | VOLUME, CHIP |
| C-ZENER | ZENER, CHIP |
| CAP, CER | CAP, CERA-SOL |
| CAP, E | CAP, ELECT |
| CAP, M/F | CAP, FILM |
| CAP, TC | CAP, CERA-SOL |
| CAP, TC-U | CAP, CERA-SOL SS |
| CAP, TN | CAP, TANTALUM |
| CERA FIL | FILTER, CERAMIC |
| CF | FILTER, CERAMIC |
| DL | DELAY LINE |
| E/CAP | CAP, ELECT |
| FILT | FILTER |
| FLTR | FILTER |
| FUSE RES | RES, FUSE |
| MOT | MOTOR |
| P-DIODE | PHOTO DIODE |
| P-SNSR | PHOTO SENSER |
| P-TR | PHOTO TRANSISTOR |
| POLY VARI | VARIABLE CAPACITOR |
| PPCAP | CAP, PP |
| PT | POWER TRANSFORMER |
| PTR, RES | PTR, MELF |
| RC | REMOTE CONTROLLER |
| RES NF | RES, NON-FLAMMABLE |
| RESO | RESONATOR |
| SHLD | SHIELD |
| SOL | SOLENOID |
| SPKR | SPEAKER |
| SW, LVR | SWITCH, LEVER |
| SW, RTRY | SWITCH, ROTARY |
| SW, SL | SWITCH, SLIDE |
| TC CAP | CAP, CERA-SOL |
| THMS | THERMISTOR |
| TR | TRANSISTOR |
| TRIMMER | CAP, TRIMMER |
| TUN-CAP | VARIABLE CAPACITOR |
| VIB, CER | RESONATOR, CERAMIC |
| VIB, XTAL | RESONATOR, CRYSTAL |
| VR | VOLUME |
| ZENER | DIODE, ZENER |
| ｻｰｼﾞｻﾌﾟﾚｯｻ | SERGESUPPRESSOR |
| ｾﾗｺﾝ | CAP, CERA |

## MECHANICAL SECTION

| DESCRIPTION | REFERENCE NAME |
|---|---|
| ADHESHIVE | SHEET ADHESHIVE |
| AZ | AZIMUTH |
| BAR-ANT | BAR-ANTENNA |
| BAT | BATTERY |
| BATT | BATTERY |
| BRG | BEARING |
| BTN | BUTTON |
| CAB | CABINET |
| CASS | CASSETTE |
| CHAS | CHASSIS |
| CLR | COLLAR |
| CONT | CONTROL |
| CRSR | CURSOR |
| CU | CUSHION |
| CUSH | CUSHION |
| DIR | DIRECTION |
| DUBB | DUBBING |
| FL | FRONT LOADING |
| FLY-WHL | FLYWHEEL |
| FR | FRONT |
| FUN | FUNCTION |
| G-CU | G-CUSHION |
| HDL | HANDOL |
| HIMERON | CLOTH |
| HINGE, BAT | HINGE, BATTERY |
| HLDR | HOLDER |
| HT-SINK | HEAT SINK |
| IB | INSTRUCTION BOOKLET |
| IDLE | IDLER |
| IND, L-R | INDICATOR, L-R |
| KEY, CONT | KEY, CONTROL |
| KEY, PRGM | KEY, PROGRAM |
| KNOB, SL | KNOB, SLIDE |
| LBL | LABEL |
| LID, BATT | LID, BATTERY |
| LID, CASS | LID, CASSETTE |
| LVR | LEVER |
| P-SP | P-SPRING |
| PANEL, CONT | PANEL, CONTORL |
| PANEL, FR | PANEL, FRONT |
| PRGM | PROGRAM |
| PULLY, LOAD MO | PULLY, LOADING MOTOR |
| RBN | RIBBON |
| S- | SPECIAL |
| SEG | SEGMENT |
| SH | SHEET |
| SHLD-SH | SHIELD-SHEET |
| SL | SLIDE |
| SP | SPRING |
| SP-SCREW | SPECIAL-SCREW |
| SPACER, BAT | SPACER, BATTERY |
| SPR | SPRING |
| SPR-P | P-SPRING |
| SPR-PC-PUSH | P-SPRING, C-PUSH |
| T-SP | T-SPRING |
| TERM | TERMINAL |
| TRIG | TRIGGER |
| TUN | TUNING |
| VOL | VOLUME |
| W | WASHER |
| WHL | WHEEL |
| WORM-WHL | WORM-WHEEL |
| ｼﾌｸｱｰﾑ | ARM, SHAFT |
| ｼﾌｸｶﾞｲﾄﾞ | GUIDE, SHAFT |
| ｽﾄﾗｯﾌﾟ | STRAP |
| ﾄｸﾅﾍﾞ | S-SCRW |
| ﾋﾝｼﾞ | HINGE |
| ﾋﾝｼﾞﾋﾞｽ | S-SCRW |
| ﾋﾞｽｾﾚｰﾄ | SCRW, SERRART |

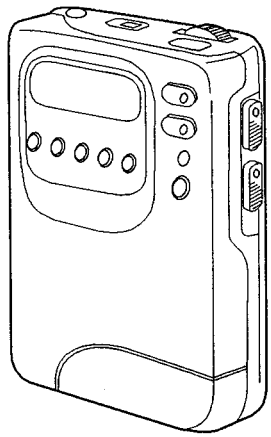


| サービス技術ニュース | |
|---|---|
| 番号 | 連絡内容 |
| G－　－ | |
| G－　－ | |
| G－　－ | |

アイワ株式会社
AIWA CO.,LTD.
〒110 東京都台東区池之端1－2－11　☎03（3827）3111　（代表）
723019
Tokyo Japan
Printed in Singapore

aiwa

# CR-D3



STEREO RECEIVER

SERVICE MANUAL

• TYPE. YZ,YJ,YUB

改 定 版
[REVISION PUBLISHING]

S/M Code No. 09 – 93C – 043 – 20T

## SPECIFICATIONS

**Reception frequency:**
FM 87.5 – 108/107.9 MHz (50/200 kHz step)
AM 531/530 – 1,602/1,710 kHz
(9/10 kHz step)
**Antennas:**
FM Headphone antenna
AM Ferrite bar antenna
**Practical max. output:**
60 mW
**Output terminal:**
Headphone jack (3.5ø Stereo type)

**Power supply:**
Battery DC 3V R03 (size AAA)×2
**Dimensions (W × H × D):**
60 × 104 × 21.5 mm
($2^3/_8 \times 4^1/_8 \times {}^7/_8$ in.)
**Weight**
Approx. 110g (3.9oz)
incl. batteries

- Design and specifications are subject to change without notice.

## ELECTRICAL MAIN PARTS LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

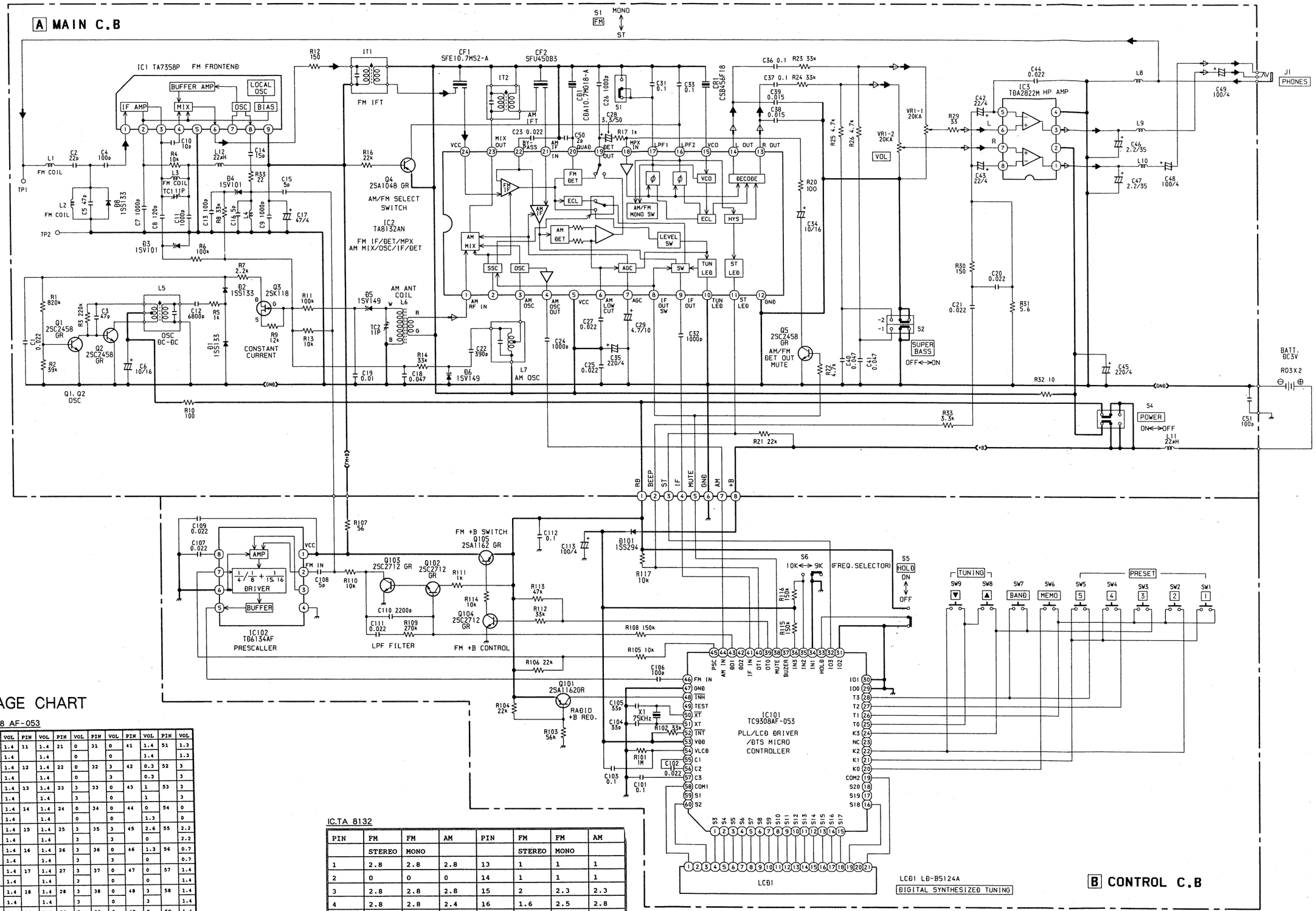
| REF. NO | PART NO. | カンリ NO. | DESCRIPTION |
|---|---|---|---|
| IC | | | |
| | 87-020-356-010 | | IC, TA7358P (M) |
| | S3-804-100-000 | | IC, TA8132AN |
| | S3-806-800-000 | | IC, TC9308AF-053 |
| | S3-806-300-000 | | IC, TD6134AF |
| | S3-801-900-000 | | IC, TDA2822M |
| TRANSISTOR | | | |
| | S4-814-800-000 | | C-TR, 2SA1162-GR |
| | 89-327-126-010 | | C-TR, 2SC2712-GR |
| | 89-110-485-010 | | TR, 2SA1048GR |
| | 89-324-585-010 | | TR, 2SC2458GR |
| | S4-813-500-000 | | TR, 2SK118-0 |
| DIODE | | | |
| | 87-020-465-010 | | DIODE, 1SS133 |
| | S5-823-400-000 | | C-DIODE, 1SS294 |
| MAIN C. B | | | |
| C6 | S6-010-M45-A00 | | CAP, E 10UF-16V |
| C9 | S6-047-M47-G00 | | CAP, E 47UF-4V |
| C28 | S6-R33-M47-H00 | | CAP, E 3. 3UF-50V |
| C29 | S6-R47-M45-A00 | | CAP, E 4. 7UF-10V |
| C34 | S6-010-M45-A00 | | CAP, E 10UF-16V |
| C35 | S6-122-MF5-G00 | | CAP, E 220UF-4V |
| C42 | S6-022-M45-G00 | | CAP, E 22UF-4V |
| C43 | S6-022-M45-G00 | | CAP, E 22UF-4V |
| C45 | S6-122-MF5-G00 | | CAP, E 220UF-4V |
| C46 | S6-R22-M45-D00 | | CAP, E 2. 2UF-35V |
| C47 | S6-R22-M45-D00 | | CAP, E 2. 2UF-35V |
| C48 | S6-110-M55-G00 | | CAP, E 100UF-4V |
| C49 | S6-110-M55-G00 | | CAP, E 100UF-4V |
| CD1 | S5-321-350-470 | | FILTER, CER KMFC5047A(W/CF1) |
| CF2 | S5-322-245-0B0 | | FILTER, CER (SFU450B3) |
| CR1 | S5-321-445-6F0 | | RESONATOR CER, CSB456F18 |
| D3 | S0-001-010-000 | | DIODE, 1SV101 |
| D4 | S0-001-010-000 | | DIODE, 1SV101 |
| D5 | S0-001-490-000 | | DIODE, 1SV149B |
| D6 | S0-001-490-000 | | DIODE, 1SV149B |
| IT1 | S7-660-0P0-000 | | IFT FM(420859) PINK |
| IT2 | S7-670-040-000 | | IFT AM(420907)YELLOW |
| J1 | S6-523-100-000 | | JACK 3. 5MM |
| L1 | S9-F05-5BC-H50 | | FM, ANT COIL 5. 5T |
| L2 | S9-F06-5BA-V70 | | FM, ANT COIL 6. 5T |
| L3 | S9-F06-5BC-H50 | | FM, RF COIL |
| L4 | S9-F05-53C-H50 | | FM, RF COIL |
| L5 | S7-610-000-000 | | COIL, OSC DC/DC BLACK |
| L6 | S9-915-T08-490 | | COIL, AM ANT(T007) |
| L7 | S7-580-020-000 | | COIL, OSC AM RED |
| L8 | S9-F19-5CA-V90 | | COIL, FM |
| L9 | S9-F19-5CA-V90 | | COIL, FM |
| L10 | S9-F19-5CA-V90 | | COIL, FM |
| L11 | S9-C02-2UC-340 | | COIL, 22UH |
| L12 | S9-C02-2UC-220 | | COIL, 22UH |
| S1 | S7-530-4RC-150 | | SW, SLIDE |
| S2 | S7-530-4RC-150 | | SW, SLIDE |
| S4 | S7-530-4RC-150 | | SW, SLIDE |
| TC1 | S8-200-200-000 | | CAP, TRIMMER, 11PF |
| TC2 | S8-200-200-000 | | CAP, TRIMMER, 11PF |
| VR1 | S8-010-R32-0A0 | | VR, 20KA |
| CONTROL C. B | | | |
| C113 | S6-110-M55-G00 | | CAP, E 100UF |
| LCD1 | S5-822-800-000 | | LCD, LD-B5124A |
| S5 | S7-530-4RC-150 | | SW, SLIDE |
| S6 | S7-528-812-D00 | | SWITCH |
| X1 | S5-321-5T3-810 | | XTAL DT381 |

## ■ ACCESSORIES／PACKAGE LIST

DESCRIPTIONで判断できない物は "REFERENCE NAME LIST" を参照してください。
If can't understand for Description please kindly refer to "REFERENCE NAME LIST".

| REF. NO | PART NO. | カンリ NO. | DESCRIPTION |
|---|---|---|---|
| 1 | S8-474-9RC-150 | | INSTRUC BOOK(CRD3) |
| 2 | 87-048-236-010 | | HP-22A |

# SCHEMATIC DIAGRAM




## VOLTAGE CHART

IC.TC-9308 AF-053

| FM/AM | PIN | VOL | PIN | VOL | PIN | VOL | PIN | VOL | PIN | VOL | PIN | VOL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FM | 1 | 1.4 | 11 | 1.4 | 21 | 0 | 31 | 0 | 41 | 1.4 | 51 | 1.3 |
| AM | | 1.4 | | 1.4 | | 0 | | 0 | | 1.4 | | 1.3 |
| FM | 2 | 1.4 | 12 | 1.4 | 22 | 0 | 32 | 3 | 42 | 0.3 | 52 | 3 |
| AM | | 1.4 | | 1.4 | | 0 | | 3 | | 0.3 | | 3 |
| FM | 3 | 1.4 | 13 | 1.4 | 23 | 3 | 33 | 0 | 43 | 1 | 53 | 3 |
| AM | | 1.4 | | 1.4 | | 3 | | 0 | | 1 | | 3 |
| FM | 4 | 1.4 | 14 | 1.4 | 24 | 0 | 34 | 0 | 44 | 0 | 54 | 0 |
| AM | | 1.4 | | 1.4 | | 0 | | 0 | | 1.3 | | 0 |
| FM | 5 | 1.4 | 15 | 1.4 | 25 | 3 | 35 | 3 | 45 | 2.6 | 55 | 2.2 |
| AM | | 1.4 | | 1.4 | | 3 | | 3 | | 0 | | 2.2 |
| FM | 6 | 1.4 | 16 | 1.4 | 26 | 3 | 36 | 0 | 46 | 1.3 | 56 | 0.7 |
| AM | | 1.4 | | 1.4 | | 3 | | 3 | | 0 | | 0.7 |
| FM | 7 | 1.4 | 17 | 1.4 | 27 | 3 | 37 | 0 | 47 | 0 | 57 | 1.4 |
| AM | | 1.4 | | 1.4 | | 3 | | 0 | | 0 | | 1.4 |
| FM | 8 | 1.4 | 18 | 1.4 | 28 | 3 | 38 | 0 | 48 | 3 | 58 | 1.4 |
| AM | | 1.4 | | 1.4 | | 3 | | 0 | | 3 | | 1.4 |
| FM | 9 | 1.4 | 19 | 1.4 | 29 | 0 | 39 | 0 | 49 | 0 | 59 | 1.4 |
| AM | | 1.4 | | 1.4 | | 0 | | 0 | | 0 | | 1.4 |
| FM | 10 | 1.4 | 20 | 0 | 30 | 0 | 40 | 0 | 50 | 1.6 | 60 | 1.4 |
| AM | | 1.4 | | 0 | | | | 0 | | 1.6 | | 1.4 |

IC.TD6134AF

| PIN | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|---|
| FM | VOL | 3 | 1.4 | 1.4 | 0 | 1.8 | 0 | 2.6 | 1.4 |
| AM | | 0.6 | 0.6 | 0.6 | 0 | 0 | 0 | 1 | 0.6 |

IC.TA 8132

| PIN | FM | FM | AM | PIN | FM | FM | AM |
|---|---|---|---|---|---|---|---|
| | STEREO | MONO | | | STEREO | MONO | |
| 1 | 2.8 | 2.8 | 2.8 | 13 | 1 | 1 | 1 |
| 2 | 0 | 0 | 0 | 14 | 1 | 1 | 1 |
| 3 | 2.8 | 2.8 | 2.8 | 15 | 2 | 2.3 | 2.3 |
| 4 | 2.8 | 2.8 | 2.4 | 16 | 1.6 | 2.5 | 2.8 |
| 5 | 2.8 | 2.8 | 2.8 | 17 | 1.9 | 2.8 | 2.8 |
| 6 | 2.2 | 2.2 | 2.1 | 18 | 0.6 | 0.6 | 0.6 |
| 7 | 0.8 | 0.8 | 0.8 | 19 | 0.9 | 0.9 | 1.3 |
| 8 | 0 | 0 | 0 | 20 | 2 | 2 | 2.3 |
| 9 | 2.8 | 2.8 | 2.8 | 21 | 2.8 | 2.8 | 2.8 |
| 10 | 0 | 0 | 0 | 22 | 2.6 | 2.6 | 2 |
| 11 | 0 | 2.9 | 2.9 | 23 | 2.79 | 2.8 | 2.8 |
| 12 | 0 | 0 | 0 | 24 | 2.79 | 2.8 | 2.8 |

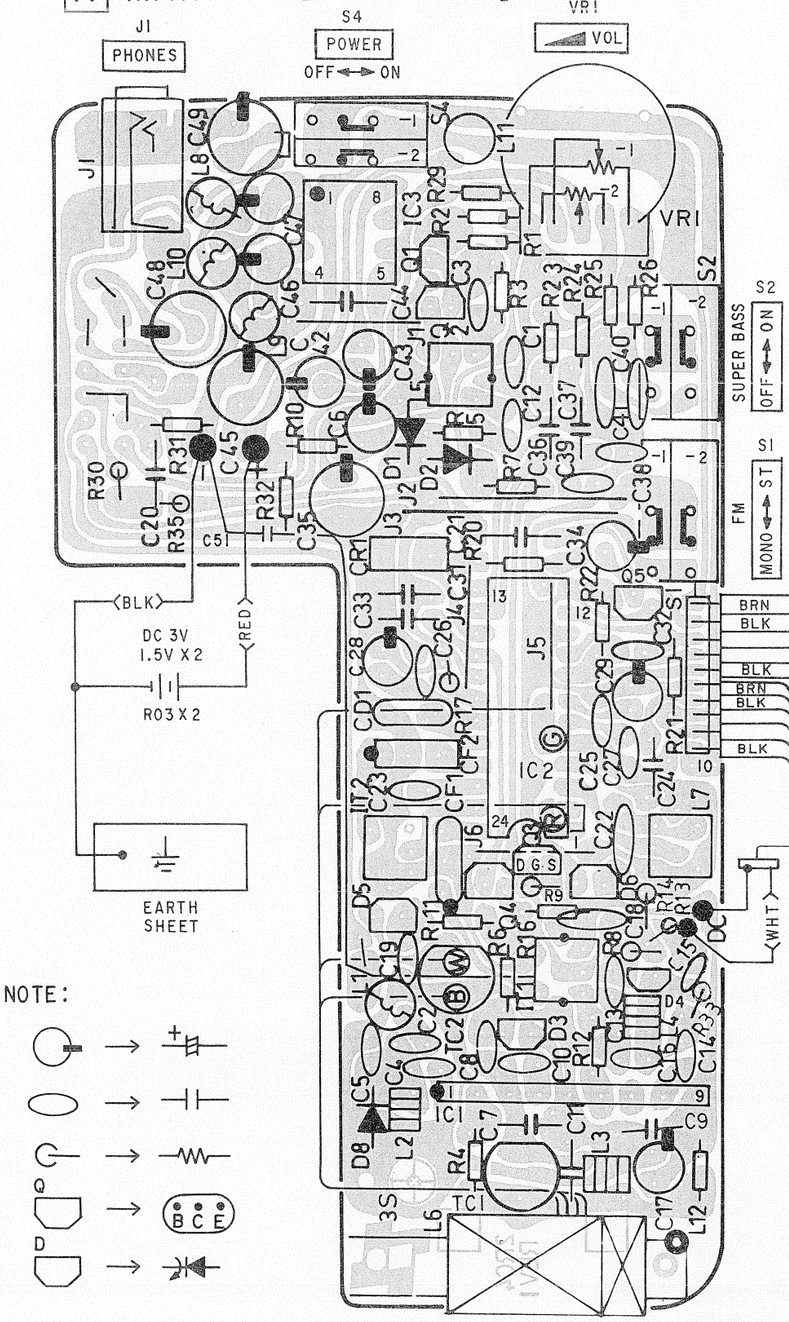
IC.TA7358AF

| PIN | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| FM | VOL | 0.9 | 1.7 | 2.5 | 1.6 | 0 | 2.4 | 1.7 | 2.3 | 2.5 |
| AM | | 0 | 0.6 | 0.7 | 0.6 | 0 | 0.7 | 0 | 0 | 0.7 |

IC.TDA2822M

| PIN | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|---|
| VOL | 1.2 | 2.9 | 1.2 | 0 | 0.6 | 0 | 0 | 0.6 |

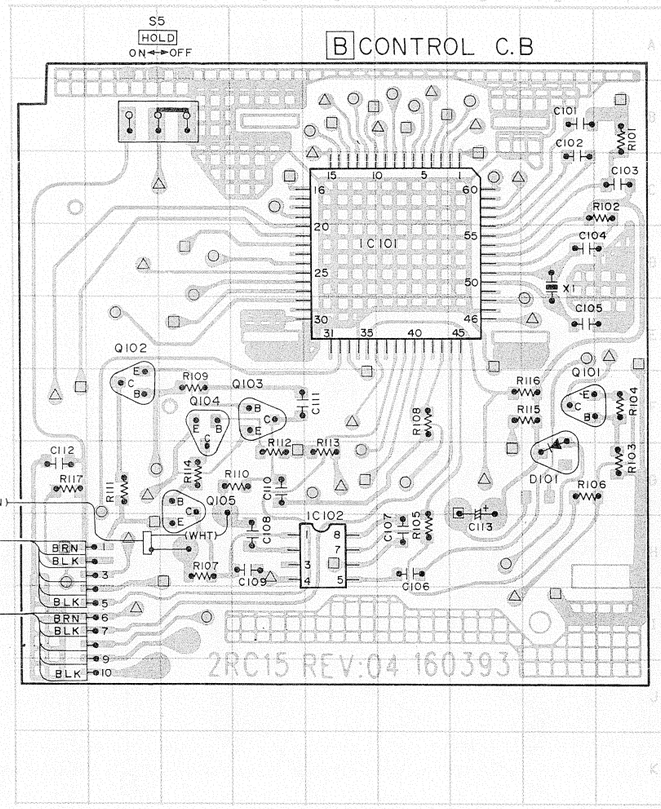
## A MAIN C.B [PARTS SIDE]



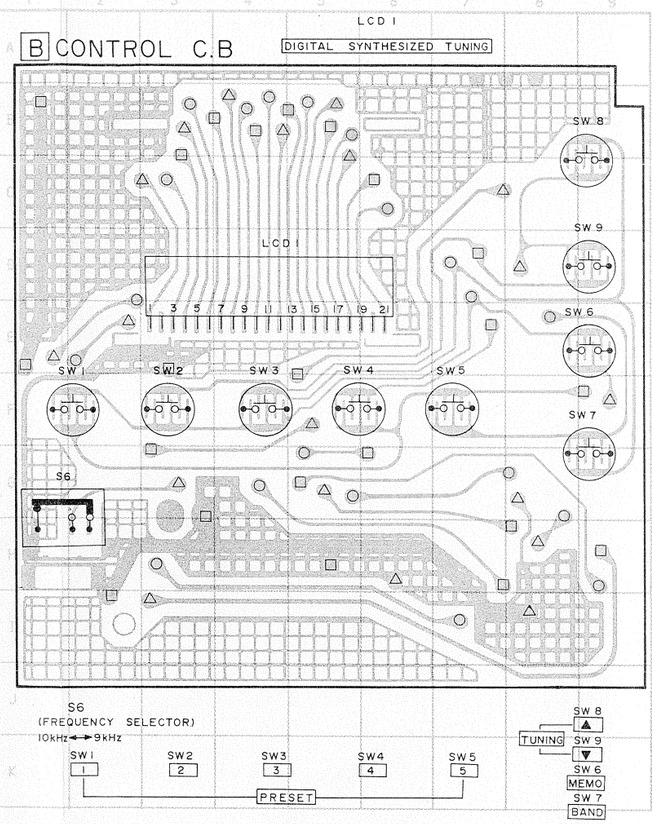

NOTE:



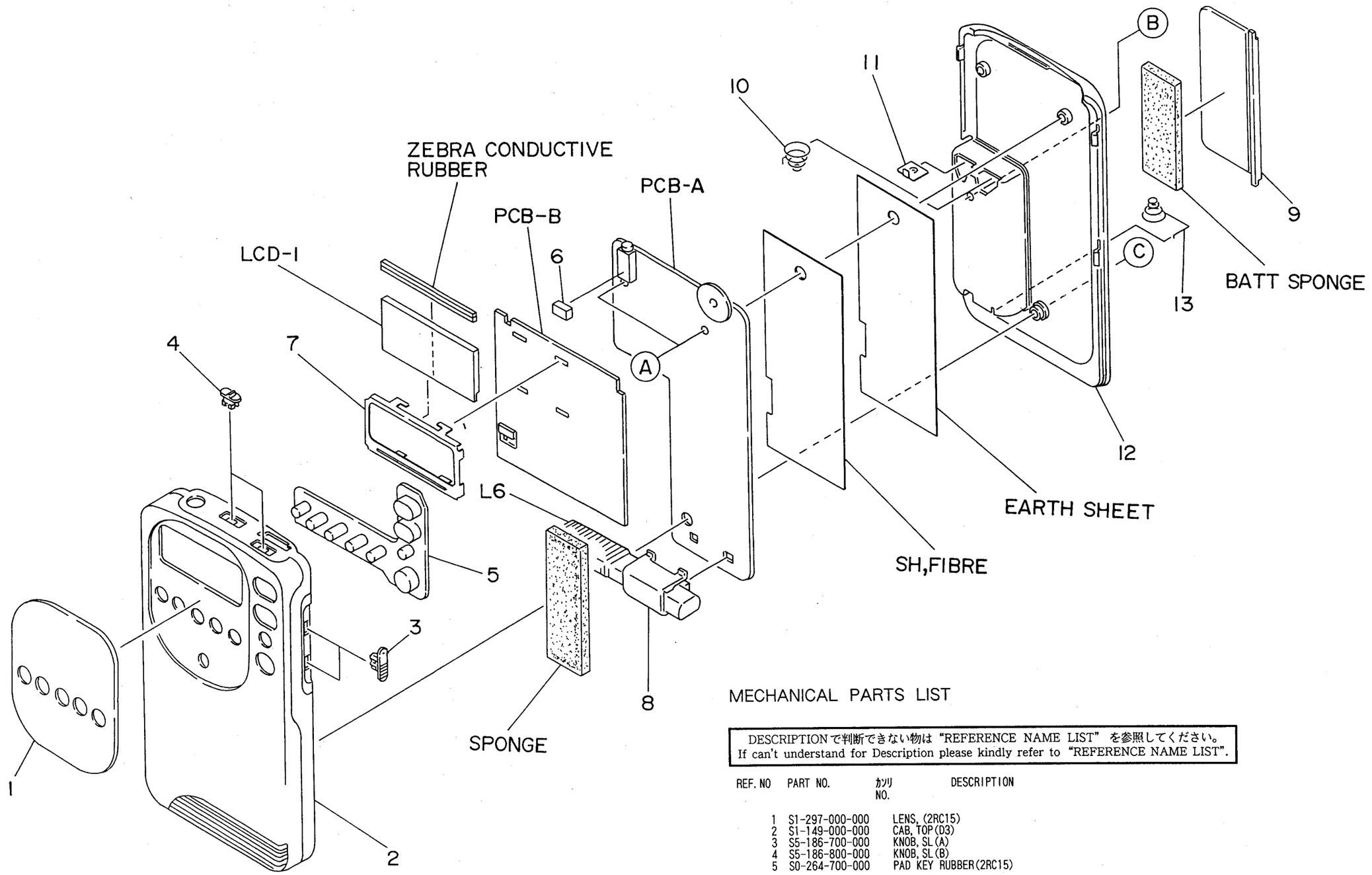

## B CONTROL C.B




## B CONTROL C.B



MECHANICAL EXPLODED VIEW




## MECHANICAL PARTS LIST

DESCRIPTIONで判断できない物は “REFERENCE NAME LIST” を参照してください。
If can't understand for Description please kindly refer to “REFERENCE NAME LIST”.

| REF. NO | PART NO. | カツリ NO. | DESCRIPTION |
|---|---|---|---|
| 1 | S1-297-000-000 | | LENS, (2RC15) |
| 2 | S1-149-000-000 | | CAB, TOP(D3) |
| 3 | S5-186-700-000 | | KNOB, SL(A) |
| 4 | S5-186-800-000 | | KNOB, SL(B) |
| 5 | S0-264-700-000 | | PAD KEY RUBBER(2RC15) |
| 6 | S9-265-300-000 | | RUBBER |
| 7 | S0-224-12R-C40 | | BRACKET LCD |
| 8 | S7-180-300-000 | | HOLD, ANT PR-90/PR91 |
| 9 | S3-141-900-000 | | DOOR, BATT |
| 10 | S0-219-200-000 | | BATT, SPR(-) |
| 11 | S0-219-100-000 | | BATT, TERMINAL |
| 12 | S2-144-300-000 | | BTN, CAB(D3YJ)<YJ> |
| 12 | S2-144-400-000 | | BTN, CAB(D3YU, YZ)<YU, YZ> |
| 13 | S0-219-300-000 | | BATT, SPR(+-) |
| A | S4-120-300-000 | | SCRW, 1.7 X 3 B/H |
| B | S4-130-500-000 | | SCRW, 1.7 X 5 K/H |
| C | S4-281-000-000 | | SCRW, 2 X 10 P/H |

# REFERENCE NAME LIST

## ELECTRICAL SECTION

| DESCRIPTION | REFERENCE NAME |
|---|---|
| ANT | ANTENNAS |
| C- | CHIP |
| C-CAP | CAP, CHIP |
| C-CAP TN | CAP, CHIP TANTALUM |
| C-COIL | COIL, CHIP |
| C-DI | DIODE, CHIP |
| C-DIODE | DIODE, CHIP |
| C-FET | FET, CHIP |
| C-FOTR | FILTER, CHIP |
| C-JACK | JACK, CHIP |
| C-LED | LED, CHIP |
| C-RES | RES, CHIP |
| C-SFR | SFR, CHIP |
| C-SLIDE SW | SLIDE SWITCH, CHIP |
| C-SW | SWITCH, CHIP |
| C-TR | TRANSISTOR, CHIP |
| C-VR | VOLUME, CHIP |
| C-ZENER | ZENER, CHIP |
| CAP, CER | CAP, CERA-SOL |
| CAP, E | CAP, ELECT |
| CAP, M/F | CAP, FILM |
| CAP, TC | CAP, CERA-SOL |
| CAP, TC-U | CAP, CERA-SOL SS |
| CAP, TN | CAP, TANTALUM |
| CERA FIL | FILTER, CERAMIC |
| CF | FILTER, CERAMIC |
| DL | DELAY LINE |
| E/CAP | CAP, ELECT |
| FILT | FILTER |
| FLTR | FILTER |
| FUSE RES | RES, FUSE |
| MOT | MOTOR |
| P-DIODE | PHOTO DIODE |
| P-SNSR | PHOTO SENSER |
| P-TR | PHOTO TRANSISTOR |
| POLY VARI | VARIABLE CAPACITOR |
| PPCAP | CAP, PP |
| PT | POWER TRANSFORMER |
| PTR, RES | PTR, MELF |
| RC | REMOTE CONTROLLER |
| RES NF | RES, NON-FLAMMABLE |
| RESO | RESONATOR |
| SHLD | SHIELD |
| SOL | SOLENOID |
| SPKR | SPEAKER |
| SW, LVR | SWITCH, LEVER |
| SW, RTRY | SWITCH, ROTARY |
| SW, SL | SWITCH, SLIDE |
| TC CAP | CAP, CERA-SOL |
| THMS | THERMISTOR |
| TR | TRANSISTOR |
| TRIMMER | CAP, TRIMMER |
| TUN-CAP | VARIABLE CAPACITOR |
| VIB, CER | RESONATOR, CERAMIC |
| VIB, XTAL | RESONATOR, CRYSTAL |
| VR | VOLUME |
| ZENER | DIODE, ZENER |
| ｻｰｼﾞｻﾌﾟﾚｯｻ | SERGESUPPRESSOR |
| ｾﾗｺﾝ | CAP, CERA |

## MECHANICAL SECTION

| DESCRIPTION | REFERENCE NAME |
|---|---|
| ADHESHIVE | SHEET ADHESHIVE |
| AZ | AZIMUTH |
| BAR-ANT | BAR-ANTENNA |
| BAT | BATTERY |
| BATT | BATTERY |
| BRG | BEARING |
| BTN | BUTTON |
| CAB | CABINET |
| CASS | CASSETTE |
| CHAS | CHASSIS |
| CLR | COLLAR |
| CONT | CONTROL |
| CRSR | CURSOR |
| CU | CUSHION |
| CUSH | CUSHION |
| DIR | DIRECTION |
| DUBB | DUBBING |
| FL | FRONT LOADING |
| FLY-WHL | FLYWHEEL |
| FR | FRONT |
| FUN | FUNCTION |
| G-CU | G-CUSHION |
| HDL | HANDOL |
| HIMERON | CLOTH |
| HINGE, BAT | HINGE, BATTERY |
| HLDR | HOLDER |
| HT-SINK | HEAT SINK |
| IB | INSTRUCTION BOOKLET |
| IDLE | IDLER |
| IND, L-R | INDICATOR, L-R |
| KEY, CONT | KEY, CONTROL |
| KEY, PRGM | KEY, PROGRAM |
| KNOB, SL | KNOB, SLIDE |
| LBL | LABEL |
| LID, BATT | LID, BATTERY |
| LID, CASS | LID, CASSETTE |
| LVR | LEVER |
| P-SP | P-SPRING |
| PANEL, CONT | PANEL, CONTORL |
| PANEL, FR | PANEL, FRONT |
| PRGM | PROGRAM |
| PULLY, LOAD MO | PULLY, LOADING MOTOR |
| RBN | RIBBON |
| S- | SPECIAL |
| SEG | SEGMENT |
| SH | SHEET |
| SHLD-SH | SHIELD-SHEET |
| SL | SLIDE |
| SP | SPRING |
| SP-SCREW | SPECIAL-SCREW |
| SPACER, BAT | SPACER, BATTERY |
| SPR | SPRING |
| SPR-P | P-SPRING |
| SPR-PC-PUSH | P-SPRING, C-PUSH |
| T-SP | T-SPRING |
| TERM | TERMINAL |
| TRIG | TRIGGER |
| TUN | TUNING |
| VOL | VOLUME |
| W | WASHER |
| WHL | WHEEL |
| WORM-WHL | WORM-WHEEL |
| ｼｸｱｰﾑ | ARM, SHAFT |
| ｼｸｶﾞｲﾄﾞ | GUIDE, SHAFT |
| ｽﾄﾗｯﾌﾟ | STRAP |
| ﾄｸﾅﾍﾞ | S-SCRW |
| ﾋﾝｼﾞ | HINGE |
| ﾋﾝｼﾞﾋﾞｽ | S-SCRW |
| ﾋﾞｽｾﾚｰﾄ | SCRW, SERRART |